BIOTECHNOLOGY
SYSTEMS
BRANCH

RAW SEQUENCE LISTING
ERROR REPORT
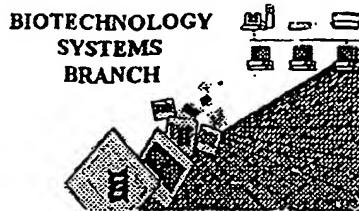
The Biotechnology Systems Branch of the Scientific and Technical Information
Center (STIC) detected errors when processing the following computer readable
form:

Application Serial Number: _10/750,939_
Source: _FWD_
Date Processed by STIC: _1/14/04_

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.
PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:
1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE
   APPLICANT, WITH A NOTICE TO COMPLY or,
2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A
   NOTICE TO COMPLY
FOR CRF SUBMISSION AND PATENTIN SOFTWARE QUESTIONS, PLEASE CONTACT
MARK SPENCER, TELEPHONE: 703-308-4212; FAX: 703-308-4221
Effective 12/13/03: TELEPHONE: 571-272-2510; FAX: 571-273-0221

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE <u>CHECKER
VERSION 4.1 PROGRAM</u>, ACCESSIBLE THROUGH THE U.S. PATENT AND
TRADEMARK OFFICE WEBSITE. SEE BELOW FOR ADDRESS:
    http://www.uspto.gov/web/offices/pac/checker/chkr41note.htm

Applicants submitting genetic sequence information electronically on diskette or CD-Rom should be aware that there is
a possibility that the disk/CD-Rom may have been affected by treatment given to all incoming mail.
Please consider using alternate methods of submission for the disk/CD-Rom or replacement disk/CD-Rom.
Any reply including a sequence listing in electronic form should NOT be sent to the 20231 zip code address for the
United States Patent and Trademark Office, and instead should be sent via the following to the indicated addresses:

1. EFS-Bio (<http://www.uspto.gov/ebc/efs/downloads/documents.htm> , EFS Submission
   User Manual - ePAVE)
2. U.S. Postal Service: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450
3. Hand Carry directly to (EFFECTIVE 12/01/03):
   U.S. Patent and Trademark Office, Box Sequence, Customer Window, Lobby, Room 1B03, Crystal Plaza Two,
   2011 South Clark Place, Arlington, VA 22202
4. Federal Express, United Parcel Service, or other delivery service to: U.S. Patent and Trademark Office,
   Box Sequence, Room 1B03-Mailroom, Crystal Plaza Two, 2011 South Clark Place, Arlington, VA 22202

Revised 10/08/03

Raw Sequence Listing Error Summary

ERROR DETECTED	SUGGESTED CORRECTION	SERIAL NUMBER: 10/750,939

ATTN: NEW RULES CASES: PLEASE DISREGARD ENGLISH "ALPHA" HEADERS, WHICH WERE INSERTED BY PTO SOFTWARE

1 ____ Wrapped Nucleics
Wrapped Aminos — The number/text at the end of each line "wrapped" down to the next line. This may occur if your file was retrieved in a word processor after creating it. Please adjust your right margin to .3; this will prevent "wrapping."

2 ____ Invalid Line Length — The rules require that a line not exceed 72 characters in length. This includes white spaces.

3 ____ Misaligned Amino Numbering — The numbering under each 5th amino acid is misaligned. Do not use tab codes between numbers; use space characters, instead.

4 ____ Non-ASCII — The submitted file was not saved in ASCII(DOS).text, as required by the Sequence Rules. Please ensure your subsequent submission is saved in ASCII text.

5 ____ Variable Length — Sequence(s) ____ contain n's or Xaa's representing more than one residue. Per Sequence Rules, each n or Xaa can only represent a single residue. Please present the maximum number of each residue having variable length and indicate in the <220>-<223> section that some may be missing.

6 ____ PatentIn 2.0 "bug" — A "bug" in PatentIn version 2.0 has caused the <220>-<223> section to be missing from amino acid sequences(s) _____. Normally, PatentIn would automatically generate this section from the previously coded nucleic acid sequence. Please manually copy the relevant <220>-<223> section to the subsequent amino acid sequence. This applies to the mandatory <220>-<223> sections for Artificial or Unknown sequences.

7 ____ Skipped Sequences (OLD RULES) — Sequence(s) ____ missing. If intentional, please insert the following lines for each skipped sequence:
(2) INFORMATION FOR SEQ ID NO:X: (insert SEQ ID NO where "X" is shown)
(i)   SEQUENCE CHARACTERISTICS: (Do not insert any subheadings under this heading)
(xi) SEQUENCE DESCRIPTION:SEQ ID NO:X: (insert SEQ ID NO where "X" is shown)
This sequence is intentionally skipped

Please also adjust the "(ii) NUMBER OF SEQUENCES:" response to include the skipped sequences.

8 ____ Skipped Sequences (NEW RULES) — Sequence(s) ____ missing. If intentional, please insert the following lines for each skipped sequence.
<210> sequence id number
<400> sequence id number
000

9 ____ Use of n's or Xaa's (NEW RULES) — Use of n's and/or Xaa's have been detected in the Sequence Listing.
Per 1.823 of Sequence Rules, use of <220>-<223> is MANDATORY if n's or Xaa's are present.
In <220> to <223> section, please explain location of n or Xaa, and which residue n or Xaa represents.

10 ____ Invalid <213> Response — Per 1.823 of Sequence Rules, the only valid <213> responses are: Unknown, Artificial Sequence, or scientific name (Genus/species). <220>-<223> section is required when <213> response is Unknown or is Artificial Sequence

11 _✓_ Use of <220> — Sequence(s) *1-9, 12-15, 17-20* missing the <220> "Feature" and associated numeric identifiers and responses. Use of <220> to <223> is MANDATORY if <213> "Organism" response is "Artificial Sequence" or "Unknown." Please explain source of genetic material in <220> to <223> section.
(See "Federal Register," 06/01/1998, Vol. 63, No. 104, pp. 29631-32)   (Sec. 1.823 of Sequence Rules)

12 ____ PatentIn 2.0 "bug" — Please do not use "Copy to Disk" function of PatentIn version 2.0. This causes a corrupted file, resulting in missing mandatory numeric identifiers and responses (as indicated on raw sequence listing). Instead, please use "File Manager" or any other manual means to copy file to floppy disk.

13 ____ Misuse of n/Xaa — "n" can only represent a single nucleotide; "Xaa" can only represent a single amino acid

AMC – Biotechnology Systems Branch – 09/09/2003

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of: The Research Foundation of the State of New York

U.S. Application No.: 10/750,939

Filed: January 2, 2004

For: Novel Inhibitors of Poxvirus Replication

LETTER

Mail Stop Missing Parts

Assistant Commissioner for Patents

P.O. Box 1450
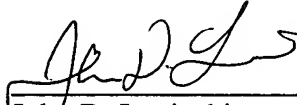
Alexandria, VA 22313-1450

Sir:

In response to the Notice to Comply with Requirements for Patent Applications
Containing Nucleotide Sequence and/or Amino Acids Sequence Disclosures mailed March 17,
2004, please find herewith a corrected sequence listing in Paper Copy and Computer Readable
Form. Applicant declares that the Paper Copy of the Sequence Listing and the Computer
Readable Copy enclosed herewith are the same and no new matter has been added. Please enter
the paper copy.

The Computer Readable copy enclosed herein has been checked with Checker version
3.1 software.

Respectfully Submitted,

John D. Lopinski
Reg. No. 50,486

Hodgson Russ LLP
One M&T Plaza, Suite 2000
Buffalo, NY 14203-2391
(716) 848-1628
Dated: March 24, 2004

IFWO

RAW SEQUENCE LISTING
PATENT APPLICATION: US/10/750,939

DATE: 01/14/2004
TIME: 11:00:18

Input Set : A:\niles non-provisional-US.txt
Output Set: N:\CRF4\01142004\J750939.raw

```
   3 <110> APPLICANT: Niles, Edward
   5 <120> TITLE OF INVENTION: Novel Inhibitors of Poxvirus Replication
   7 <130> FILE REFERENCE: 11520.0333
C--> 9 <140> CURRENT APPLICATION NUMBER: US/10/750,939
  10 <141> CURRENT FILING DATE: 2004-01-02
  12 <150> PRIOR APPLICATION NUMBER: US/60/437,945
  13 <151> PRIOR FILING DATE: 2003-01-02
  15 <160> NUMBER OF SEQ ID NOS: 20
  17 <210> SEQ ID NO: 1
  18 <211> LENGTH: 7
  19 <212> TYPE: RNA
  20 <213> ORGANISM: Artificial Sequence
  22 <220> FEATURE:
  23 <221> NAME/KEY: unsure
  24 <222> LOCATION: 6
  25 <223> OTHER INFORMATION: n is g,a,u or c
  27 <400> SEQUENCE: 1
W--> 28 uuuuunu 7
  30 <210> SEQ ID NO: 2
  31 <211> LENGTH: 7
  32 <212> TYPE: DNA
  33 <213> ORGANISM: artificial sequence
  35 <220> FEATURE:
  36 <223> OTHER INFORMATION:
W--> 38 <400> 2
  39 ttttttt 7
  42 <210> SEQ ID NO: 3
  43 <211> LENGTH: 22
  44 <212> TYPE: RNA
  45 <213> ORGANISM: artificial sequence
  47 <220> FEATURE:
  48 <221> NAME/KEY: unsure
  49 <222> LOCATION: 14
  50 <223> OTHER INFORMATION: n is g,a,u or c
  52 <400> SEQUENCE: 3
W--> 53 gggccggcuu uuunuuugcg uu 22
  56 <210> SEQ ID NO: 4
  57 <211> LENGTH: 22
  58 <212> TYPE: RNA
  59 <213> ORGANISM: artificial sequence
  61 <220> FEATURE:
  62 <223> OTHER INFORMATION:
W--> 64 <400> 4
```

Handwritten annotations:

Does Not Comply
Corrected Diskette Needed

Please explain, see item # (pg. 1-5)
11 on error summary sheet.

Per New Sequence Rules, if <213> Response is Artificial Sequence/Unknown please explain in section <220> - <223>. please see @ item # 11 = on error summary sheet.

please explain

same error

```
          RAW SEQUENCE LISTING                DATE: 01/14/2004
          PATENT APPLICATION:  US/10/750,939  TIME: 11:00:18

          Input Set : A:\niles non-provisional-US.txt
          Output Set: N:\CRF4\01142004\J750939.raw

     65 gggccggcaa uuauuaugcg uu   22
     68 <210> SEQ ID NO: 5
     69 <211> LENGTH: 36
     70 <212> TYPE: RNA
     71 <213> ORGANISM: artificial sequence   — please explain, sAme error
     73 <220> FEATURE:
     74 <221> NAME/KEY: unsure
     75 <222> LOCATION: 23
     76 <223> OTHER INFORMATION: n is g,a,u or c
     78 <400> SEQUENCE: 5
W-->  79 gggcgaauug ggccggcuuu uunuuugcgu ugaauu  36
     82 <210> SEQ ID NO: 6
     83 <211> LENGTH: 36
     84 <212> TYPE: RNA
     85 <213> ORGANISM: artificial sequence  — sAme error
     87 <220> FEATURE:
W-->  88 <221> NAME/KEY:
     89 <222> LOCATION:
     90 <223> OTHER INFORMATION: uracils at 8,9,18-26, 30, 31, 35 and 36 are brominated
     92 <400> SEQUENCE: 6
     93 gggcgaauug ggccggcuuu uuuuuugcgu ugaauu  36
     95 <210> SEQ ID NO: 7
     96 <211> LENGTH: 27
     97 <212> TYPE: DNA
     98 <213> ORGANISM: artificial sequence
    100 <220> FEATURE:
    101 <223> OTHER INFORMATION:   — sAme error
W--> 103 <400> 7
    104 aattgggccg gctttttttt tgcgttg   27
    107 <210> SEQ ID NO: 8
    108 <211> LENGTH: 22
    109 <212> TYPE: DNA
    110 <213> ORGANISM: artificial sequence  — sAme error
    112 <220> FEATURE:
W--> 113 <221> NAME/KEY:
    114 <222> LOCATION:
    115 <223> OTHER INFORMATION: 9-17 is deoxyuracil
    117 <400> SEQUENCE: 8
    118 gggccggcuu uuuuuugcg uu   22
    121 <210> SEQ ID NO: 9
    122 <211> LENGTH: 22
    123 <212> TYPE: RNA
    124 <213> ORGANISM: artificial sequence  — sAme error
    126 <220> FEATURE:
W--> 127 <221> NAME/KEY:
    128 <222> LOCATION:
    129 <223> OTHER INFORMATION: 19-17 is brominated deoxyuracil
    131 <400> SEQUENCE: 9
    132 gggccggcuu uuuuuugcg uu   22
```

RAW SEQUENCE LISTING   DATE: 01/14/2004
PATENT APPLICATION: US/10/750,939   TIME: 11:00:18

Input Set : A:\niles non-provisional-US.txt
Output Set: N:\CRF4\01142004\J750939.raw

```
      134 <210> SEQ ID NO: 10
      135 <211> LENGTH: 22
      136 <212> TYPE: DNA
      137 <213> ORGANISM: artificial sequence
      139 <220> FEATURE:
W-->  140 <221> NAME/KEY:
      141 <222> LOCATION:
      142 <223> OTHER INFORMATION: T5NT
      144 <400> SEQUENCE: 10
      145 gggccggctt tttttttgcg uu   22
      148 <210> SEQ ID NO: 11
      149 <211> LENGTH: 22
      150 <212> TYPE: DNA
      151 <213> ORGANISM: artificial sequence
      153 <220> FEATURE:
W-->  154 <221> NAME/KEY:
      155 <222> LOCATION:
      156 <223> OTHER INFORMATION: mutant T5NT
      158 <400> SEQUENCE: 11
      159 gggccggcaa ttattatgcg tt   22
      161 <210> SEQ ID NO: 12
      162 <211> LENGTH: 17
      163 <212> TYPE: RNA
      164 <213> ORGANISM: artificial sequence
      166 <220> FEATURE:
      167 <221> NAME/KEY: unsure
      168 <222> LOCATION: 10
      169 <223> OTHER INFORMATION: n is a,g,u or c
      171 <400> SEQUENCE: 12
W-->  172 cggcuuuuun uuugcgu   17
      174 <210> SEQ ID NO: 13
      175 <211> LENGTH: 13
      176 <212> TYPE: RNA
      177 <213> ORGANISM: artificial sequence
      179 <220> FEATURE:
      180 <221> NAME/KEY: unsure
      181 <222> LOCATION: 8
      182 <223> OTHER INFORMATION: n is a,g, u or c
      184 <400> SEQUENCE: 13
W-->  185 gcuuuuunuu ugc   13
      188 <210> SEQ ID NO: 14
      189 <211> LENGTH: 9
      190 <212> TYPE: RNA
      191 <213> ORGANISM: artificial sequence
      193 <220> FEATURE:
      194 <221> NAME/KEY: unsure
      195 <222> LOCATION: 7
      196 <223> OTHER INFORMATION: n is a,g,u or c
      198 <400> SEQUENCE: 14
```

[handwritten annotations:] SAME error (×3); There is a "u" at this location.

```
W--> 199 uuuuuuuuu  9
    202 <210> SEQ ID NO: 15
    203 <211> LENGTH: 7
    204 <212> TYPE: RNA
    205 <213> ORGANISM: artificial sequence        - same error
    207 <220> FEATURE:
    208 <221> NAME/KEY: unsure
    209 <222> LOCATION: 6
    210 <223> OTHER INFORMATION: n is a,g,u or c
    212 <400> SEQUENCE: 15
W--> 213 uuuuunu 7
    216 <210> SEQ ID NO: 16
    217 <211> LENGTH: 7
    218 <212> TYPE: RNA
    219 <213> ORGANISM: artificial sequence
    221 <220> FEATURE:
W--> 222 <221> NAME/KEY:
    223 <222> LOCATION:
    224 <223> OTHER INFORMATION: mutant 7-mer
    226 <400> SEQUENCE: 16
    227 uuuuuau 7
    229 <210> SEQ ID NO: 17
    230 <211> LENGTH: 22
    231 <212> TYPE: DNA
    232 <213> ORGANISM: artificial sequence        - same error
    234 <220> FEATURE:
    235 <221> NAME/KEY: unsure
    236 <222> LOCATION: 14
    237 <223> OTHER INFORMATION: n is g,a,u or c; 1-8 and 18-22 are DNA ?
    239 <400> SEQUENCE: 17
W--> 240 gggccggcuu uuunuuugcg uu  22
    242 <210> SEQ ID NO: 18
    243 <211> LENGTH: 22
    244 <212> TYPE: RNA
    245 <213> ORGANISM: artificial sequence        - same error
    247 <220> FEATURE:
    248 <221> NAME/KEY: unsure
    249 <222> LOCATION: 14
    250 <223> OTHER INFORMATION: n is g,a,u or c; 1-8 and 18-22 are 2'O methylated; 1-8 and
17-22 have phoshporthiol bonds
    252 <400> SEQUENCE: 18
W--> 253 gggccggcuu uuunuuugcg uu  22
    255 <210> SEQ ID NO: 19
    256 <211> LENGTH: 22
    257 <212> TYPE: DNA
    258 <213> ORGANISM: artificial sequence        - same error
    260 <220> FEATURE:
    261 <221> NAME/KEY: unsure
    262 <222> LOCATION: 14
    263 <223> OTHER INFORMATION: n is g,a,u or c; 1-8 and 18-22 are phosphorthiols; 9-17 are
RNA
```

(handwritten annotations) FYI: u's are at locations 21 and 22

(handwritten) 15-17?

RAW SEQUENCE LISTING   DATE: 01/14/2004
PATENT APPLICATION: US/10/750,939   TIME: 11:00:18

          Input Set : A:\niles non-provisional-US.txt
          Output Set: N:\CRF4\01142004\J750939.raw

      265 <400> SEQUENCE: 19
W--> 266 gggccggcuu uuunuuugcg uu   22
      268 <210> SEQ ID NO: 20
      269 <211> LENGTH: 7
      270 <212> TYPE: RNA
    . 271 <213> ORGANISM: artificial sequence
      273 <220> FEATURE:
      274 <223> OTHER INFORMATION: same error
W--> 276 <400> 20
    . 277 uuuuauu   7

RAW SEQUENCE LISTING ERROR SUMMARY   DATE: 01/14/2004
PATENT APPLICATION: US/10/750,939   TIME: 11:00:19

Input Set : A:\niles non-provisional-US.txt
Output Set: N:\CRF4\01142004\J750939.raw

Please Note:
Use of n and/or Xaa have been detected in the Sequence Listing. Please review the
Sequence Listing to ensure that a corresponding explanation is presented in the <220>
to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:1; N Pos. 6
Seq#:3; N Pos. 14
Seq#:5; N Pos. 23
Seq#:12; N Pos. 10
Seq#:13; N Pos. 8
Seq#:14; N Pos. 6
Seq#:15; N Pos. 6
Seq#:17; N Pos. 14
Seq#:18; N Pos. 14
Seq#:19; N Pos. 14

Invalid Line Length:
The rules require that a line not exceed 72 characters in length. This includes spaces.

Seq#:18; Line(s) 250

VERIFICATION SUMMARY
PATENT APPLICATION: US/10/750,939

DATE: 01/14/2004
TIME: 11:00:19

Input Set : A:\niles non-provisional-US.txt
Output Set: N:\CRF4\01142004\J750939.raw

```
L:9 M:270 C: Current Application Number differs, Replaced Application Number
L:28 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1 after pos.:0
L:38 M:258 W: Mandatory Feature missing, <223> Blank for SEQ#:2,Line#:36
L:53 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3 after pos.:0
L:64 M:258 W: Mandatory Feature missing, <223> Blank for SEQ#:4,Line#:62
L:79 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5 after pos.:0
L:88 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:6
L:103 M:258 W: Mandatory Feature missing, <223> Blank for SEQ#:7,Line#:101
L:113 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:8
L:127 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:9
L:140 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:10
L:154 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:11
L:172 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:12 after pos.:0
L:185 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:13 after pos.:0
L:199 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:14 after pos.:0
L:213 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:15 after pos.:0
L:222 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:16
L:240 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:17 after pos.:0
L:253 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:18 after pos.:0
L:266 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:19 after pos.:0
L:276 M:258 W: Mandatory Feature missing, <223> Blank for SEQ#:20,Line#:274
```
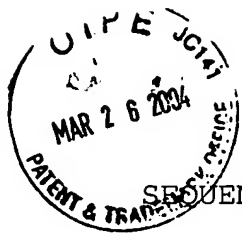
niles non-provisional-US.txt

SEQUENCE LISTING

<110> Niles, Edward

<120> Novel Inhibitors of Poxvirus Replication

<130> 11520.0333

<140> US 10/750,939
<141> 2004-01-02

<150> US/60/437,945
<151> 2003-01-02

<160> 20

<210> 1
<211> 7
<212> RNA
<213> Artificial Sequence

<220>
<221> unsure
<222> 6
<223> pox virus; n is g,a,u or c

<400> 1
uuuuunu   7

<210> 2
<211> 7
<212> DNA
<213> artificial sequence

<220>
<223> nascent pox virus termination signal

<400> 2
ttttttt   7

<210> 3
<211> 22
<212> RNA
<213> artificial sequence

<220>
<221> unsure

```
<222> 14
<223> U5NU-22-mer oligo; n is g,a,u or c

<400> 3
gggccggcuu uuunuuugcg uu   22


<210> 4
<211> 22
<212> RNA
<213> artificial sequence

<220>
<223> mutant- 22-mer oligo

<400> 4
gggccggcaa uuauuaugcg uu   22


<210> 5
<211> 36
<212> RNA
<213> artificial sequence

<220>
<221> unsure
<222> 23
<223> pGEM-U5NU-36-mer oligo n is g,a,u or c

<400> 5
gggcgaauug ggccggcuuu uunuuugcgu ugaauu   36


<210> 6
<211> 36
<212> RNA
<213> artificial sequence

<220>
<221>
<222>
<223> pGEM-Br-U5NU-36-mer; uracils at 8,9,18-26, 30, 31, 35 and
36 are brominated

<400> 6
gggcgaauug ggccggcuuu uuuuuugcgu ugaauu   36

<210> 7
```

```
<211> 27
<212> DNA
<213> artificial sequence

<220>
<223> transcription template plasmid oilgo

<400> 7
aattgggccg gctttttttt tgcgttg      27


<210> 8
<211> 22
<212> DNA
<213> artificial sequence

<220>
<221>
<222>
<223> dU5NdU oligo; 9-17 is deoxyuracil

<400> 8
gggccggcuu uuuuuugcg uu   22


<210> 9
<211> 22
<212> RNA
<213> artificial sequence

<220>
<221>
<222>
<223> BrdU5NdU oligo; 19-17 is brominated deoxyuracil

<400> 9
gggccggcuu uuuuuugcg uu   22

<210> 10
<211> 22
<212> DNA
<213> artificial sequence

<220>
<221>
<222>
<223> T5NT
```

```
<400> 10
gggccggctt ttttttttgcg uu   22
```

```
<210> 11
<211> 22
<212> DNA
<213> artificial sequence
```

```
<220>
<221>
<222>
<223> mutant T5NT
```

```
<400> 11
gggccggcaa ttattatgcg tt   22
```

```
<210> 12
<211> 17
<212> RNA
<213> artificial sequence
```

```
<220>
<221> unsure
<222> 10
<223> U5NU 17-mer oligo; n is a,g,u or c
```

```
<400> 12
cggcuuuuun uuugcgu   17
```

```
<210> 13
<211> 13
<212> RNA
<213> artificial sequence
```

```
<220>
<221> unsure
<222> 8
<223> U5NU-13-mer oligo; n is a,g, u or c
```

```
<400> 13
gcuuuuunuu ugc   13
```

```
<210> 14
<211> 9
<212> RNA
<213> artificial sequence
```

```
<220>
<221> unsure
<222> 7
<223> U5NU-9-mer oligo; n is a,g,u or c

<400> 14
uuuuunuuu   9


<210> 15
<211> 7
<212> RNA
<213> artificial sequence

<220>
<221> unsure
<222> 6
<223> U5NU-7-mer oligo; n is a,g,u or c

<400> 15
uuuuunu 7


<210> 16
<211> 7
<212> RNA
<213> artificial sequence

<220>
<221>
<222>
<223> mutant 7-mer

<400> 16
uuuuuau 7

<210> 17
<211> 22
<212> DNA
<213> artificial sequence

<220>
<221> unsure
<222> 14
<223> DNA-U9-DNA oligo; n is g,a,u or c; 1-8 and 18-22 are DNA

<400> 17
```

gggccggcuu uuunuuugcg uu   22

<210> 18
<211> 22
<212> RNA
<213> artificial sequence

<220>
<221> unsure
<222> 14
<223> 2-prime-O-Me-RNA-PT-U9-2-prime-O-Me-PT-RNA oligo; n is g,a,u or
c; 1-8
and 18-22 are 2-prime-O methylated; 1-8 and 17-22 have phoshporthiol b
onds

<400> 18
gggccggcuu uuunuuugcg uu   22

<210> 19
<211> 22
<212> DNA
<213> artificial sequence

<220>
<221> unsure
<222> 14
<223> PT-DNA-U9-PT-DNA oligo; n is g,a,u or c; 1-8 and 18-22
are phosphorthiols; 9-17 are RNA

<400> 19
gggccggcuu uuunuuugcg uu   22

<210> 20
<211> 7
<212> RNA
<213> artificial sequence

<220>
<223> U5AU oligo

<400> 20
uuuuauu   7